

# DAO Status Report

at MODIS Science Team Meeting (May, 1997)

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## OUTLINE

- GEOS-3 Gridded Data Products
- One-Month Sample Data Set
- MODIS/DAO Links

- GEOS-3 Gridded Data Products
  - GEOS-3 System
  - Operational in June, 1998
  - Resolution
    - \* 2x2.5 degree (ultimately upgraded to 1x1 degree, but will be after 1998);
    - \* 70  $\sigma$ -levels;
    - \* 36 p-levels (including WMO mandatory levels);
    - \* model time-step is a few minutes;
  - Prognostic and Diagnostic Variables
    - \* Prognostic variables — 6-hourly (standard);
    - \* Diagnostic variables — 6-hourly or 3-hourly (standard);
    - \* Requests of high-temporal-resolution data from MODIS are well considered. Educating DAO about your needs is important, and better earlier than later.
  - HDF-EOS Format
  - File Specification
  - Data Subsetting and Transfer
    - \* EOSDIS;
    - \* DAO as the back-up plan (as for CERES, TRMM, STRAT, etc.)
  - Data Survey Forms

- One-Month Sample Data Set
  - July 31 (18Z) — Sept. 1 (23Z), 1996 (GEOS-2)
  - Resolution
    - \* 2x2.5 degree (ultimately upgraded to 1x1 degree, but will be after 1998);
    - \* 70  $\sigma$ -levels;
    - \* 36 p-levels (including all the WMO Mandatory p-levels);
    - \* model time-step is 3 minutes;
  - Prognostic Variables — 3-hourly:
    - \* UWND and VWND: Wind profile ( $\sigma$ - and p-levels);
    - \* TMPU: Temperature profile ( $\sigma$ - and p-levels);
    - \* SPHU: Humidity profile ( $\sigma$ - and p-levels);
    - \* PS: Surface pressure;
    - \* LWI: Surface types from Land/Surface Model;
  - Diagnostic Variables — 1-hourly:
    - \* TG: Ground temperature (like TC in GEOS-3);
    - \* T2M, Q2M, U2M and V2M: 2-meter temperature, humidity and wind;
    - \* T10M, Q10M, U10M and V10M: 10-meter temperature, humidity and wind;
  - HDF-EOS Format
  - File Specification (as for GEOS-3)
  - Status

- MODIS/DAO Links

- DAO Point of Contact for MODIS:

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- Web Page:

- \* *http://dao.gsfc.nasa.gov*  
*/eos\_instruments/INSTRUMENTS.html*

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